

From qrp-l@lehigh.edu Thu Feb 8 22:24:51 1996
From: Mike Robinson <miker@cc.com>
Subject: [4043] 0 and 0
Message-ID: <9602081608.AA03257@voder.nsc.com>

The letter O (oh) and the number 0 (zero) are not
the same thing. It's amazing how many people I've
run into that don't know this.

7.3 de Michael AA0UB miker@cc.com michael@frii.com
 http://www.frii.com/~michael
 QRP-L #126 Norcal #857 CQC #180

From qrp-l@lehigh.edu Thu Feb 8 22:24:51 1996
From: David Adams <dave@flowserver.stem.com>
Subject: [4059] 2 guys
Message-ID: <9602082214.AA05871@flowserver.stem.com>

Is the two guys meeting tonight (thursday)? And what are we
showing and telling? (I've been rebuilding BAs lately to reduce
clutter, but I do have a 15m homebrew qrp on the bench (euphamistic
term) that's shaping up nicely).

dave

David J Adams N9UXU QRP-L #83
dave@flowserver.stem.com NorCal QRP #1442
(415) 813-5028 Flow Cytometry Specialist

From qrp-l@lehigh.edu Thu Feb 8 22:24:51 1996
From: Patrick Franzis <franzis@gdc.com>
Subject: [4036] 30M Kits?
Message-ID: <Pine.SUN.3.91.960208095320.10724B-1000000@esun212>

Hi Folks,

I have been away from the qrp-list for a while and I'm itching to
build another kit. What's the latest in 30M kits?

Thanks in advance, -Patrick n1ocj/qrp

```
*****
Patrick Franzis
General Datacomm Ind.
PO Box 1299
Middlebury, CT 06762-1299
Phone: (203) 758-1811 Ext 7338
email: franzis@gdc.com
FAX: (203) 755-0896
*****
```

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: JessQRP@aol.com
Subject: [4026] 40 is a little better tonite!
Message-ID: <960208003731_216928756@emout04.mail.aol.com>

Have read the posts recently on 40 meters. I just worked LU6Z on South Orkney Island first call in the clear at 4 watts into Gap and got a 579. Not too shabby for a band that has been pretty pooppy lately! FYI rig was OHR400...

Best
Jess N0TFI

P.S. My logging program clocks that at abt 7700 miles!

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: dh%reddog.csustan.edu@altair.csustan.edu (Doug Hendricks)
Subject: [4027] 49er Boards are in
Message-ID: <9602080653.AA22406@reddog.csustan.edu>

The circuit boards for Wayne Burdick's latest design the 49er (forty meters on 9 Volts) are in. I will ship them to Jim Cates tomorrow and he will have them available. The construction article will be in the QQ and QRPP next issue. It is a double hit, as there are many who don't subscribe to both. The 49er is one of the 2 choices for the projects in the 2nd Annual Great Dayton Building Contest sponsored by NorCal. Larry, even if you don't go to Dayton, you get another design to consider building. It is a fun rig.

If you want a board, the cost is \$5 postpaid from Jim Cates.

Address: Jim Cates
3241 Eastwood Rd.
Sacramento, CA 95821

Make checks or money orders out to Jim Cates, NOT NorCal. 72, Doug.

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: QLF@mimi@magic.itg.ti.com
Subject: [4037] ACCURATE QRP POWER MEASUREMENT
Message-ID: <9602081503.AA17193@itg.ti.com>

From: Brad Bradfield QLF

Subj: ACCURATE QRP POWER MEASUREMENT

I often read in these pages of various hams using an oscilloscope to accurately measure QRP power levels into a 50 Ohm dummy load. While thumbing through the November 1987 Ham Radio magazine, I came across an article on a fairly simple (and portable) RF voltmeter that could be of interest to the QRP community for measuring power. It has reasonably good accuracy and linearity with a range of less than 70 mV to greater than 3 V RMS (-10 dBm to +23 dBm or 98 uW to 180 mW into 50 Ohms.) An attenuator would, of course, be required for powers greater than 180 mW.

I ain't in the printing business, but if you'll send me a legal sized SASE with one unit of postage, I'll be glad to send you a copy.

73's

Brad, WB0CGH

Brad Bradfield, PE
108 Forestwood
Corinth, TX 76205

Electrical Design Engineer
Texas Instruments, Inc.

QLF@MSG.TI.COM

(H) 817-321-2960
(W) 214-462-6230

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M)

Collector of wireless and landline Morse keys and accessories.

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
Subject: [4031] BREAKING-IN
Message-ID: <9601088237.AA823792278@smtpgw.ccgate.dl.nec.com>

Gang:

The other evening, when condx on 40 were pretty darn poor, I did hear a QSO ongoing between two local guys I know (we are within 20 miles of each other).

I wanted to join their fun, but I found myself not knowing the correct procedure to "break" into and join a CW QSO. I would never think of doing this if it were a serious QSO, but I knew this was a relaxed ragchew, and they really wouldn't mind my barging in. However, being the nice guy I am ;-) I didn't want to look like Mr. Lidinsky that makes me so frustrated when I'm in a nice QSO.

So, what is the proper way to pop in and join a CW QSO, without making one's self a lidmiester??

p.s. Thanks to all about the advice on the Hustler trapped vertical ants. Many say they are rather good antennas, and for the money, do a decent job. I'll relay this to my interested friend.

72/73 de Dave KK5HA
QRP-L #25

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: teda@lexis-nexis.com (Ted Albert)
Subject: [4060] Colorburst Sprint tonight
Message-ID: <199602082239.RAA29656@rain.lexis-nexis.com>

Tonight (2/8/96) from 9-10PM EST. Hope to see you there. Tonight I will use my Pixie 2 for part of the event. I plan to use it from 9:30 - 10PM. The first half will be with the Universal QRP transmitter and the Ten-Tec DC Receiver.

72 de Ted, KF8EE

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: BOB.LIESENFELD@hamlink.mn.org (BOB LIESENFELD)
Subject: [4025] EP-2
Message-ID: <823738467.AA05255@hamlink.mn.org>

-----you wrote-----

EXTRA NOTE

The EP2 will be in the next QRPP and also a slight modification will be published in the next SPRAT.
Hands Electronics are to sell PCBs for the modified design.

72/3

--
George Dobbs G3RJV
more

"It is vain to do with

The G QRP Club
less"

what can be done with

g3rjv@gqrp.demon.co.uk
(1290-1350

William of Occum

-----snip-----

Thanks George for the info. I am really intrigued by this radio.
Gotta get it on 20 tho.....

72

Bob WB0POQ

---NoSnail v1.17

HAM>link< RBBS - Serving the Amateur Radio Community Since 1983

- 612/HAM-0000 v.34

Ham Radio Spoken Here!!

- 612/HAM-1010 v.32b

Reply to sender @ hamlink.mn.org

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996

From: dh%reddog.csustan.edu@altair.csustan.edu (Doug Hendricks)

Subject: [4028] Epiphyte 2

Message-ID: <9602080657.AA22409@reddog.csustan.edu>

I have built the Epiphyte 2 and it is an excellent rig. An improved version of the Sprat article will be in March QRPP. Circuit boards for the Epiphyte 2 are available from Far Circuits for \$7.50 plus \$1.50 shipping for up to 4

boards. Hope that helps out. IT IS A GREAT RIG. Build it and you will learn a ton about SSB. The improvements over the Epiphyte 1 are that the VFO and the 5 watt amp are on the same sized board as the original. Yes, the artwork will be published in QRPp. 72,Doug

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: "Tim Stabler" <TSTABLER@iunhaw1.iun.indiana.edu>
Subject: [4052] etc
Message-ID: <138BBEF4BC3@iunhaw1.iun.indiana.edu>

I am probably going to get grief for this, but in the Dayton-1 listing, I saw to call Days Inn South and talk to Molly. I called and got Bonnie instead. But she took care of me and I have a confirmed room there for the big meet. I did mention that I was in the qrp group and got that rate. I had not heard of Myron and am not a member of whatever the group is. Days Inn is a business and will make reservations, if you can back it up with cash or card. I am still wondering what the problem is with Alan making reservations. I saw all the grief here and wondered what the problem was. I have seen all the letters regarding Myron and what he is doing, I would say that if he had any sense, he would tell everyone to do it for themselves next year and not be bothered.

Last year, I was the president of a professional group and the meeting fell on that weekend. I busted my butt with putting the meeting together, mailings, setting up food and all that, etc., etc. What happened??? Nobody came. So I told the rest of the board to run with the group themselves. The association is now gone.

Enough of that. Has everyone heard of the modification for the Explorer II for 30 meters?? Remove C62 and replace with a 47 pf NPO cap. Drift will now be ZERO when turned on. Alignment is now a simple one step procedure.

Are you into the QRZ CD-Rom? Infoplus has the Jan, 1996 version now available. You can get info by going to:

cdrom.info@infoplus.com

and saying "ham" in the body of the message. You will also get info about their other cd-roms and subscribing to their monthly sales flyer.

Bye Now 72 de WB9NLZ

Timothy A. Stabler, Ph.D.
Department of Biology
Indiana University Northwest
Gary, IN 46408

(219)980-6718
FAX: (219)980-7125
(219)980-6866

From qrp-l@lehigh.edu Thu Feb 8 22:24:51 1996
From: vhatley@usa.pipeline.com (Vernon Hatley)
Subject: [4033] Exp power Tnx
Message-ID: <199602081408.0AA29438@pipe13.h1.usa.pipeline.com>

That's the great thing about this group, the willingness to help new HAMS; I like that. I really wasn't disappointed in "only" 2 watts; and have no plans to try to increase it; just curious as to the reason. Thanks for all the responses. If Chuck can get by on .95 watts; I can make do with 2. ;-)

And yet another question, this one kinda ties in with the Hawaiian station that would not believe one of our members was QRP. When calling "CQ"; anywhere but the QRP calling frequency; what gets the most responses, using the /QRP suffix or just sending your call sign and waiting till you make contact to tell the other station you are QRP?

Last question for the day; to qualify for WAS-QRP, do both stations need to be QRP? I have recieved conflicting reports from local HAMS about this. Someone even told me that for a contact to count your QSL cards had to be printed with the "/QRP" suffix; hand written "QRP" didn't count. Is this true.

Thanks again.

72/73

--

KK5RO

Vernon A. Hatley

QRP-L #325

(stuck at 46 states)

--

KK5R0

Vernon A. Hatley

QRP-L #325

(stuck at 46 states)

--

KK5R0

Vernon A. Hatley

QRP-L #325

(stuck at 46 states)

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: tdrumm@sparc.isl.net (Tony Drumm)
Subject: [4024] Explorer II Update
Message-ID: <199602080432.WAA27642@sparc.isl.net>

Thanks for the suggestions. I'm still working on it as I find time.
Someone asked how 30m activity has been - pretty bad when I've been looking
for signals to try to tune up on!

Last night, I was injecting a signal into the radio using my Heath
calibrator. I started from the antenna and moved forward. When I got to T2
secondary winding, it got significantly louder. Much louder. Next chance I
get, I'll pop the board and check the soldering around that. Is there any
other reason it might behave this way? (I'm hoping it's not normal and that
I've actually found something!) Someone suggested checking the coil
connections because of the possibility of having insulation still on the
wire. I know I did have some of that on one of the coils but I thought I
had melted through it sufficiently. Don't remember if it was T2. I checked
all the coils for continuity a couple days ago so I thought that was not the
problem. But it may be time to recheck...

72/73

Tony Drumm
internet: tdrumm@sparc.isl.net
Packet: aa0sm@wd0gnk.#semmn.mn.usa.na

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: SYDV00A@prodigy.com (MR FLOYD E SMITHBERG)
Subject: [4063] Fox
Message-ID: <013.00713739.SYDV00A@prodigy.com>

Caught the Fox tonight at 0608 MST on 7110.9...he was 599 so thought
I'd better get him before propagation took a dive. Sure enuf, by
6:30 he was down to 449 and heard him on 7040 at 339 but by 6:50 he was
gone. He was getting a fair amount of activity while I could hear him and
may have continued doing well as the skip lengthened. I worked WB3AAI in
Halifax, PA at 7:10 MST with 1W and a 339 report so skip had really gone
long by then. Hope I didn't do any novices out of a contact but others were
working him there too.
Floyd NQ7X....Phoenix

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: WJ4PRandy@aol.com
Subject: [4064] Fox suggestion
Message-ID: <960208222010_139614418@emout08.mail.aol.com>

Hey guys!

We gotta pick another freq besides 7040. An AMTOR station and a SSB station were relentless. I asked WW7Y to QSY but I couldnt hear his answer. The Klingons won last nite.

Maybe....the Foxes could be a bit more "foxy" by moving around just a bit (+/- 1khz) every so many QSO's and vary the QRM we chasers have to deal with?

Just my two cents...

73, Randy WJ4P

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: W3HMS@aol.com
Subject: [4056] Frank.....Re: Help andRe: Format of archive files
Message-ID: <960208165043_139308838@mail06.mail.aol.com>

Frank....yes, I suppose you are right each user is a bit different. Here I have AOL so many could use the AOL script. ehhaps the idea of a "platform script" for the various systems and is the way to go. e.g. a script for AOL, Prodigy, CSERVE, and so on-----

73, John

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: dx@sun.tir.com (Tim, WB8OGM)
Subject: [4030] FS: Gel Cells and nicad batteries UPDATE
Message-ID: <3119e1a7.1158642@news.tir.com>

Updated list as of 2-6-96.

PLEASE NOTE the addition of the 6 volt nicads

12 volt gel cell batteries that have been removed from burglar alarm

systems and replaced with new ones. These batteries are like new and have all been checked under a 2 amp load for 2 minutes.

I currently have on hand:

11 --- 12 volt 7ah gel cells \$12ea 6" x 2.5" x 3.75"
2 --- 12 volt 6ah gel cells \$10ea 6" x 2.5" x 3.75"
1 --- 12 volt 4ah gel cell \$7ea 4" x 2.5" x 3.75"
1 --- 12 volt 4ah gel cell \$7ea 6" x 2.5" x 3.75"
1 --- 12 volt 2.3ah gel cell \$6ea
1 --- 12 volt 2.5ah nicad pack \$6ea (Gates)

1 --- 6 volt 2.5ah nicad pack \$6ea (Gates)
16 --- 6 volt 500ma nicad pack \$5ea (minimum order of 2)

The 6v 500ma packs are configured in a stacked configuration pack, NOT flat. They have spade terminals on each end of the pack.

All are guaranteed to be good and up to full charge on delivery.

All prices DO NOT include shipping charges.

When responding, include your zip code and I can tell you what shipping charges will be.

Email me if interested.

Thanks and 73...

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: N5EM@aol.com
Subject: [4045] Houston QRP Meeting
Message-ID: <960208112121_417640453@emout04.mail.aol.com>

Houston QRPers. I will be hosting a QRP get-together at my home on February 17, 1996. The plan is to meet from 9:00 am to 12 noon. Coffee, tea and pastries will be provided. Bring your QRP rigs, projects, questions and problems.

Plans are being made to have an Hewlett-Packard Spectrum Analyzer available to check out your latest creation. (Sorry, no tracking generator for sweeping filters.)

Directions are as follows:

Gulf Freeway to Beltway 8 (near Pasadena) just south of Alameda Mall.

Go west on the Beltway to the second traffic light (Beamer Road).

Go south on Beamer Road one block to Kirkfair St. (by HEB Pantry Foods)

Turn right (west) on Kirkfair and proceed to the second stop sign (Sagevale).

Turn right (Northwest) on Sagevale and proceed to 10,430. I will be monitoring 146.52 simplex for last minute directions. My house is on the left about 100 yards after you turn. If you get lost, local phone number is (713) 481-6801.

Please RSVP (need to know how many donuts :-)) to n5em@aol.com or call. Work phone number is (713) 917-9630. If not in, leave a message with your name and call and a return phone number in case something changes.

See you there.

72

Ed Manuel, N5EM

n5em@aol.com

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: "Tim Stabler" <TSTABLER@iunhaw1.iun.indiana.edu>
Subject: [4055] more etc.
Message-ID: <13A7BAE235B@iunhaw1.iun.indiana.edu>

> To: qrp1-@lehigh.edu
> Date: Thu, 8 Feb 1996 13:36:08 CST
> Subject: etc (more)
> Reply-To: tstabler@iunhaw1.iun.indiana.edu
> Priority: normal
> X-Mailer: Pegasus Mail v3.22
> Message-Id: <138E40B0661@iunhaw1.iun.indiana.edu>
>
> After my message I just sent, I remembered what else I wanted to
> share with the group. Talked with Mike Bryce this morning. I had
> gotten his keyer kit and misplaced the board for it. So I am getting
> a new board.
>
> He does have an email address, for those who are interested.
>
> He also could use some help from us who read his column in 73.

> Management is having problems and he is afraid his column will get
> canned, If you read his column, he would ask that you please write
> the editors and tell them that little fact. I know his column is the
> first thing I read in the mag.

>

> 72 de WB9NLZ

>

> Timothy A. Stabler, Ph.D.

> Department of Biology

> Indiana University Northwest

> Gary, IN 46408

>

> (219)980-6718

> FAX: (219)980-7125

> (219)980-6866

Well, as you can see, I sent this to the wrong address. Sorry
72 de Tim>

Timothy A. Stabler, Ph.D.

Department of Biology

Indiana University Northwest

Gary, IN 46408

(219)980-6718

FAX: (219)980-7125

(219)980-6866

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996

From: adams@chuck.dallas.sgi.com (chuck adams)

Subject: [4053] Mt View Meeting

Message-ID: <199602082006.UAA02224@chuck.dallas.sgi.com>

Gang,

A reminder to the CA crowd of the "show and tell" meeting
at Two Guys From Italy Restaurant in Mt View CA on
El Camino Real near I85/237 intersection area. It's
on the south side of the street.

If they are still remodeling (like they were a month ago)
then walk to the pizza place at the corner of the same building.
The pizza place a meeting room that was pretty nice.

Looking forward to seeing the group. Stan, N6ULU, gets a free

dinner on me. This you gotta see, so come on down.

dit dit de K5FO/6

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: NYOUNG@nova.wright.edu
Subject: [4061] NE602s, Far Circuits boards & a publications citation
Message-ID: <01I0Z9BFJWP494LV84@nova.wright.edu>

I have been playing with an idea passed to me by Ken Cornell of VLF scrap book fame. Ken had mentioned to Bill Kelsey (of Kanga US fame) something about using the SUDDEN receiver circuit on ELF/ULF (DC-30 kHz). I was just sitting here wondering if the NE602 that the SUDDEN uses as product detector would work as a unit (oscillator expecially) at near-DC frequencies. Or:

Can I use the oscillator in the NE602 at audio frequencies?
And yes, I was planning on using Rs and Cs instead of Ls and Cs to tune it with. Suggestions and blather gleefully awaited...

Then there's this board in the Far Circuit's list for December 1995. It's the "_Communications Quarterly_ Winter '94 Joe Carr VLF Receiver \$6.00" entry (on the front page). Anyone have access to the article cited? I'd like to know how much trouble I'm gonna get into before I start looking for the parts at the local emporium.

And, judging from list comments, I guess the Far Circuits boards are nominally good quality for doofus bifocal bats like meself, eh?

73
Nils
WB8IJN &C

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: PB13128@deere.com
Subject: [4058] NOTE 02/08/96 16:03:54
Message-ID: <DACDXX21.PB13128.905503160096039FDACDXX21@TCP30.DX.DEERE.COM>

From: Peter Beedlow, NN9K

Subject: Fox schedule--week of 11 February 1996

Since the other Pete, WA3NNA, changed his scheduled night, I need to change mine. So I will operate as the Fox on 13 February UTC.

ALL TIMES AND DATES ARE UTC!!

13 February

0100 to 0130--between 7.110 +/-

0130 to 0300--between 7.040 +/-

Tnx es GL.

From qrp-l@lehigh.edu Thu Feb 8 22:24:51 1996
From: rerobins@unccvm.uncc.edu (Richard E. Robinson)
Subject: [4044] QRP-L numbers
Message-ID: <199602081618.LAA08351@mail.uncc.edu>

I've been noticing qrp-l numbers and wondered how to get one. I accidentally trashed my welcome message when I joined the list and probably had the info there.

Thanks,

Rick Robinson kf4ar
rerobins@uncc.edu

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: John_Foote_at_HDN-BCSE@ccgate.ml.nec.com
Subject: [4054] Re[2]: verticals
Message-ID: <9601088238.AA823819890@mvlsmtt.ccgate.ml.nec.com>

Your right about the verticals. I like them because I have experience with them in a previous career in broadcasting.

The bit about the number of radials is that you notice a difference when you've increased there number by a multiple.

So, 8 radials are noticibly better than 4, 16 are better than 8, but 12 might not make that much difference.

Then 32, 64 and anything around 100. I'm still at the 7 or 8 stage. But hey! We're going to be in this house for a long time, the longer, the more copper I'll have in the yard. There is neighborhood "common area" behind my house, so I guess you can figure that there might just end up being some copper under there.

It's great when on a good night for 40 M you here a far off station and know that your angle of radiation is at least as low as his, and when you key his call sign to his CQ, he will answer you first, and immediately. It almost doesn't matter what power you're running. Fits right in with the idea of QRP.

72 de KR4GL
John Foote

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: kub@upl.com (Steve Kubisch)
Subject: [4041] Thursday Nite Fox
Message-ID: <9602081530.AA08978@ringworld.pacificorp.com>

Hi Foxhunters,

Another reminder, I'll be the fox tonite Feb. 8 (USA local)

18:00-18:30 MST 7.110 + If no activity I'll move to
7.040 earlier
18:30- 20:00 MST 7.040 +

Band was not good here for Tuesday's hunt, so I hope we get better
luck tonite.

See ya tonite,

Steve -WW7Y-
640 E 250 N
Centerville, UT 84014

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: Brad Mugleston <bmug@gwl.com>
Subject: [4040] Tonighs Help
Message-ID: <199602081507.AA29510@gp-ipc54.gwl.com>

Thanks to everyone who said that they would listen for me KB0ROL and my son
KB0SJY on 7.130 tonight (Thursday) at 7:00pm MST (this should be 3:00 UTC Friday).
7.130 was real bad last night, if its the same tonight well drop down to
7.120.

To recap

Derek and I will be running our OHR - Explorer II at 2.3W into a Delta Loop from
Aurora Colorado (just east of Denver) on 7.130 (7.120 if conditions are bad) at
7:00 MST (3:00 UTC) Thursday February 8th (Friday Feb 9 UTC). We are doing this
because we havent been able to cross the county line yet and would like some help.
Most of or recieved signales have been comming from the East (IL, MO, WI) so any
of you that are out there and can't hear the FOX give us a shot. Well be
calling a 3X3 CQ. If you get me, please be slow and kind, you may be my first.

de KB0ROL & KB0SJY

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: Wayne Barnhart <wayneb@on-ramp.ior.com>
Subject: [4029] verticals
Message-ID: <Pine.LNX.3.91.960207234900.24081A-100000@on-ramp.ior.com>

From Dave in an earlier post

Folks:

Anybody know anything about the vertical antennas

offered by Hustler? I think it's their "AV" series (i.e. AV4, AV5, and AV6) which are in the low to mid \$100 range.

I have a friend who doesn't have much \$\$ to spend, has a small property (verticals ok), and wants reasonable performance (he does mostly QRP stuff) He knows verticals are a compromise, but if these work well, he'll be happy.

Any experienced Hustler fans, or should he look further?

Thanks

72/73 de Dave KK5HA

=====

Verticals are a compromise? Not. If your friend wants a vertical for under a hundred bucks I suggest that he mount 32 feet of 1 inch tubing or copper pipe. Put a few radials on the thing and go fourth to make noise.

It can be run into a tunner or put a bit of base loading on it and it becomes a multiband antenna, although at this point you be compromising. Total cost, maybe \$20. Dont let this get out but you can also make your own traps if you so desire. It is not difficult and it is definately cost effective when you start looking at a store-bought, do everything pipe.

I intend on building a top-loaded vertical for 20m that can be knocked down into 4 foot sections for transport. This antenna will be dedicated to my brand new NW8020 rig which I have rcvd but not had the time to put together yet. Cost of antenna and radio, maybe \$100.

Good luck and 73's

Wayne WB7WHI

Spokane, Wa.

=====

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: "Harley L. Miller" <hmliller@inf.net>
Subject: [4062] VF0s as QRP rigs
Message-ID: <199602082316.RAA32269@source.inf.net>

Hi:

The recent discussion about using old tube VFOs as qrp rig sent me digging in my old rig graveyard , and I came up with two. A Globe V-10 and a Heath V-10G. I soon found out that, contrary to the experiences of those getting 2-3 Watts out of them, neither of mine would budge the needle on my Yeasu wattmeter on the 5W scale. I calculated they were putting out about 7mw. Did those who report 2-3 W have a special QRO model?

Harley L. Miller hmliller@inf.net
QRP-L #393

From qrp-l@lehigh.edu Thu Feb 8 22:24:51 1996
From: Steven Wilson <randyw@crl.com>
Subject: [4035] Re: 40 is a little better tonite!
Message-ID: <Pine.SUN.3.91.960208061521.3937B-1000000@crl5.crl.com>

Hi Jess glad to see you got the LU6Z also, I work him also last nite but on 30 meters. He called cq for a long time before I called him and call another 10 minutes after i worked him with no takers. It was nice to meet up with you and your QRP stn. I hv been using my 30 meter fold dipole on 40 meters the past few weeks now. will watch for your signals hr in St Charles (orginal capital of Missouri). de stan ak0b

On Thu, 8 Feb 1996 JessQRP@aol.com wrote:

> Have read the posts recently on 40 meters. I just worked LU6Z on South Orkney
> Island first call in the clear at 4 watts into Gap and got a 579. Not to
> shabby for a band that has been pretty pooppy lately! FYI rig was OHR400...
>
>
> Best
> Jess N0TFI
>
> P.S. My logging program clocks that at abt 7700 miles!
>
>

From qrp-l@lehigh.edu Thu Feb 8 22:24:51 1996
From: "MSgt Cameron C.R. Bailey" <CBAILEY@PAMDT.ANG.AF.MIL>
Subject: [4048] re: Bootlegger
Message-ID: <heH8+6pw41A@PAMDT.ANG.AF.MIL>

I did hear a KH6 on Sunday or Monday. It was a maritime mobile station.

Cam Bailey
SOGNET LAN Administrator (Banyan)
211 Engineering Installation Squadron
Fort Indiantown Gap (Annville) PA
DSN: 491-8737 Comm: 717-861-8737 FAX: 8268

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: RHILT0@acxiom.com
Subject: [4034] Re: BREAKING-IN
Message-ID: <11a05100@acxiom.com>

>So, what is the proper way to pop in and join a CW QSO, without
>making one's self a lidmiester??

>72/73 de Dave KK5HA
>QRP-L #25

Just send "break 4 Oh", and when they come back to you send your
handle and everybody else just in case they forgot who they are.

73's good buddy,
Bob

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: Larry East <LVE1@inel.gov>
Subject: [4039] RE: Exp II power output?
Message-ID: <2.2.16.19960208151308.32c768da@garnet.inel.gov>

>Hello group,
> Okay, I'm going to ask yet another stupid question; but hey, I've got to
>learn from someone, might as well be you nice folks.
>I have checked my new Explorer II (40 meter) on a friends OHR Wattmeter; I
>peaked it as far as it would go and could only come up with 2 watts on the
>nose. We checked his Explorer II; which was bought at the same time,

>aligned on the same test equipment; and his put out 2.5 watts. I have
>noticed some you say that your Explorer II are putting out 3 watts. Here
>is the stupid question; how can that be? They all have the same parts,
>shouldn't they produce the same output if the input voltage is the same?
>Could this be a problem with my power supply? I am using a HW-7A power
>supply from an old HW-7 QRP rig. Thanks in advance for the help.

>--

>KK5RO

>Vernon A. Hatley

>

Well Vernon, you have probably received several responses telling you about tolerances in the value of parts, etc. (The gains of some transistor types can vary by over a factor of ten from unit to unit, etc.) However, if you want to easily increase the power output of your Explorer II, simply reduce the size of the resistor that is in series with the power output pot in the driver emitter circuit. However, -->DO NOT<-- attempt to increase the output above 3W, as the protection zenier across the final amp collector will start to conduct causing increased current thru the final transistor. I suggest selecting a resistor that will provide maximum output into a 50 Ohm load of between 2.5 and 2.75 W to be on the safe side.

72, Larry W1HUE/7

From qrp-l@lehigh.edu Thu Feb 8 22:24:51 1996

From: bobhigh@primenet.com (Bob Hightower)

Subject: [4032] Re: Hawaii - possible bogus??

Message-ID: <199602081401.HAA12843@usr2.primenet.com>

>

>Possibly, conditions to Alaska and Nicaragua a few days ago were not right
>either, but I have them in my log. QSL cards from these guys will confirm or
>deny. I'm not here to play games or exaggerate claims, but if I'm the victim
>of a hoax then I'll get over it. When you get past 40 these things aren't
>worth clamoring over.

>

No matter what anyone else says, until it's confirmed as a hoax, you have everyright to believe that the QSO was a good one. Propagation doesn't always follow the 'rules', so it is entirely possible that the contact did take place. Hang in there.

73,

Bob KI7MN NorCAL #1228, qrp-ARCI #8918, qrp-l #271

From qrp-l@lehigh.edu Thu Feb 8 22:24:51 1996
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>
Subject: [4047] Re: QRP-L numbers
Message-ID: <96Feb8.121713est.57460-22619+12@hooch.CC.Lehigh.EDU>

> I've been noticing qrp-l numbers and wondered how to get one. I accidentally
> trashed my welcome message when I joined the list and probably had the info
> there.

You (and everyone else who has trashed their welcome message :-) can
get a copy by sending the following command, in the body of an e-mail,
to listserv@Lehigh.EDU:

GET QRP-L WELCOME.TXT

To get a QRP-L number, send the following command, in the body of an e-mail,
to listserv@Lehigh.EDU:

RUN QRP-L X GETNR callsign

for example:

RUN QRP-L X GETNR N3VXI

73
Jim N3VXI

From qrp-l@lehigh.edu Thu Feb 8 22:24:51 1996
From: "Richard Hieber" <Richard.Hieber@rrze.uni-erlangen.de>
Subject: [4050] Re: Schurr Paddle
Message-ID: <208E8126C3@isis.rrze.uni-erlangen.de>

Hi all,

I'm late in replying, but someone asked a few days ago:
> But don't the Schurr keys have a soft feel? Judging by photographs alone,
> it appears that the acrylic finger pieces would allow for too much
> flexing. No?

The finger pieces are stiff enough (for me) so that's not a problem.
It probably depends on how much pressure you exercise. If you have a
heavy fist, the car accident two month ago taught me something useful.
I totalled my car, and in the process my Schurr paddle was beheaded
and lost one of it's finger pieces. So I unscrewed the second one and
now use the paddles _without_ finger pieces. Works fine! I don't

notice any flexing now... ;-) But to be honest, the touching area is a bit small and I plan to reattach the finger pieces after having shortened them (so that I can use the broken one again).

And now to something completely different. With the kind assistance of Jim Eshleman, our ever helpful list maintainer, I put the new revision of the QRP Clubs List in the archives at <lehigh.edu>. Here's how to retrieve this file (abt 40kB):

```
| For the most up-to-date copy of this list, send email to
| <listserv@lehigh.edu>, leave the subject line blank and write in the
| body of the message "get qrp-l/clubs clublist"
|
| You can retrieve the same file with anonymous FTP:
| <ftp://ftp@lehigh.edu/pub/listserv/QRP-L/clubs/clublist>
|
| Alternatively, you can ask for a current version via email to
| <Richard.Hieber@rrze.uni-erlangen.de> or with a packet radio message
| to [dl8mfq@db0sif.deu.eu].
```

I had plans to send snail mail to many of the clubs listed there for further inquiries but haven't come 'round to doing it yet. Hope the list is still useful for some.

72 es 73,

Richard

--

Richard Hieber, DL8MFQ/AA8CP

EMAIL: Richard.Hieber@rrze.uni-erlangen.de

From qrp-l@lehigh.edu Thu Feb 8 22:24:51 1996
From: PA3ASC@bonny.hol.nl (Mike Perry)
Subject: [4051] Re: Tap your brain ? ITU Documents
Message-ID: <199602081858.TAA19484@bonny.hol.nl>

Reply to: John_Foote_at_HDN-BCSE@ccgate.ml.nec.com
QRP-L : Wed, 7 Feb 1996 15:06:57 EST
> Can anyone tell me where I can get
> a copy of the latest ITU-T ISDN
> standards, that is, definitions?
> John Foote

Hi John, try the ITU:

International Telecommunications Union
Place des Nations

CH-1211 Geneva 20
Switzerland

Hope this helps.

--

Regards,

Mike Perry. [e-mail :- PA3ASC@mailbox.hol.nl]

=====

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: W3HMS@aol.com
Subject: [4057] Re: TED.....Re: Help with Gel Cells
Message-ID: <960208165045_139308853@emout06.mail.aol.com>

Tom.....yes, I just discussed this at lunch with a friend.....we agreed on exactly what you said about current reducing as the charging voltage and the batt voltage become about the same .

73,,,
John

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
Subject: [4038] RE: verticals
Message-ID: <36389.owen@apollo.eeel.nist.gov>

> Folks:
> Anybody know anything about the vertical antennas

> 72/73 de Dave KK5HA
> =====
> Verticals are a compromise? Not. If your friend wants a
> vertical for under a hundred bucks I suggest that he mount 32 feet of 1
> inch tubing or copper pipe. Put a few radials on the thing and go fourth
> to make noise.

> I intend on building a top-loaded vertical for 20m that
> can be knocked down into 4 foot sections for transport. This antenna will
> be dedicated to my brand new NW8020 rig which I have rcvd but not had the
> time to put together yet. Cost of antenna and radio, maybe \$100.

>
>
> Wayne WB7WHI

I agree that a simple single band vertical is the best as traps are usually lossy and cause the vertical to be a very narrow band antenna. They can of course be tuned with a tuner but the losses usually get worse when you move off the resonant frequency. You should use radials but with my homebrew I haven't yet done this and it works very well. Now for my secret that may make life simpler for WB7WHI. You can buy an army surplus vertical that screws together in 3 ft sections from Fair Radio for \$2.00-3.00 per section. The type numbers are MS-49,50,51,52,53. All five sections together are about 16 ft, perfect for a 20 m vertical, and this works out to be 65 ohms and about 1.3:1 SWR at my location with NO tuning. If you want to operate 40m you can add a loading coil or add sections or both. However note that a -49 will only mate with a -50 and a -50 will mate with a -49 & -51 but a -53 will mate with another -53 or a -52 and these sections are tapered with the -53 being the largest and the -49 the smallest. You will have to buy the mating base mount for the -53 or make an adapter to go to something common like 3/8-24. The sections are painted Steel and will Rust somewhat but mine has been up for over two years and shows only slight surface rust.
72/73 Jim K4CGY qrp-1 #72

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996
From: rossi@VFL.Paramax.COM (Pete Rossi)
Subject: [4046] Re: verticals
Message-ID: <9602081634.AA09541@gvlf6-a>

->> Folks:
->> Anybody know anything about the vertical antennas
->
->> 72/73 de Dave KK5HA
->> =====
->> Verticals are a compromise? Not. If your friend wants a
->> vertical for under a hundred bucks I suggest that he mount 32 feet of 1
->> inch tubing or copper pipe. Put a few radials on the thing and go fourth
->> to make noise.
->
->> I intend on building a top-loaded vertical for 20m that
->> can be knocked down into 4 foot sections for transport. This antenna will
->> be dedicated to my brand new NW8020 rig which I have rcvd but not had the
->> time to put together yet. Cost of antenna and radio, maybe \$100.
->>

Verticals are *NOT* a compromise IF YOU DO IT RIGHT.. That is, for

a ground-mounted vertical, you must, repeat **must** provide it with a decent ground system.

By "decent" ground system I am talking about a minimum of somewhere around 50 (fifty) 1/4 wave radials. 100 is even better. Anything less **is** a compromise.

It may be hard work but DO IT! And you will be AMAZED what a difference it makes. Otherwise most of your transmit power will be just heating up the dirt in your backyard.

Sure you can get a way with less of a ground, but expect less of a signal. It's that simple. Then again, less may be enough.

Anyone who has ground-mounted vertical (trap or whatever) with only a ground rod and/or a couple radials.. and thinks it works pretty good.. well, stretch out 100 radials and then see how it works. The difference will be like night and day! (unless you happen to live in a salt water marsh.)

Some 15+ years ago I had a pair of full size, ground-mounted, 1/4 wave verticals for 40 meters, with 100 34' radials under each one. Even as a single vertical, that antenna really worked. Two of them phased was simply awesome!! By the time I was done, I must have had over 1 1/4 miles of wire buried under my parent's backyard. It's all still there :-). I hate to think of when they sell the house and the new owners want to plant a tree or something .. and start digging :-). I used #20 ga nylon covered "hookup" wire. I found place selling 2000' spools for \$10 each. I bought all he had. The trick for radials is.. use as much of.. whatever you can get the most of.. the cheapest.

Unfortunately, I don't quite have enough room for such an antenna where I am now.. but I do plan to begin experimenting with some above-ground verticals this spring/summer. Hopefully I will have all the bugs out by next fall.

Also, it's all in the radials, not the element. Don't use copper. Too heavy. Too expensive. A nice-self supporting 40 meter vertical can be made from aluminum tubing.

Pete Rossi - WA3NNA
rossi@vfl.paramax.com

From qrp-1@lehigh.edu Thu Feb 8 22:24:51 1996

From: paul1@wizard.ucs.sfu.ca (Paul Erickson)
Subject: [4049] Re: verticals
Message-ID: <9602081740.AA09791@wizard.ucs.sfu.ca>

First of all let me say that my comments should not be construed as contradicting Pete's comments in any way, but as an option in case for whatever reason, you can't "do it right" as he suggests. Let's say you are only able to put out 1 or 2 radials. If so, then I suggest you feed it as a balanced system. I am currently running two homebrew verticals on @40ft high and the other @60ft high. I use the 40ft on 30/20/17 and up. The 60ft is used on 40/80/160. For comparison, I tested them against an R7 (which again, is not doing it right by Pete's definition). The only place the R7 beat the 40ftr was on 40mtrs. On the other bands the 40ft was 1-2 s-units better. I put up the 60ft a few days ago, and it is as good or better than the r7 on 40 and all three verticals are much better than a random wire that I used initially. To date, in about 4 months operating time, I have WAC on 20mtrs (best dx CT3) and LU6Z, NH0, UA0 on 40mtrs. Again, I am not saying that limited radials are as good as the system Pete suggests, but they do work. The 40ft has two 45ft radials and the 60ft has two 65ft radials. It would probably be more appropriate to call them counter poises. They are fed with 300ohm twin lead (yes, I am going to try ladder line) with a t-match and balun.

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

> Reply-To: rossi@vfl.paramax.com
> Originator: qrp-l@lehigh.edu
> Sender: qrp-l@lehigh.edu
> Precedence: bulk
> From: rossi@vfl.paramax.com (Pete Rossi)
> To: Multiple recipients of list <qrp-l@lehigh.edu>
> Subject: Re: verticals
> X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
> X-Comment: Low Power Amateur Radio Discussion
> Date: Thu, 8 Feb 1996 11:36:05 EST
>
> ->> Folks:
> ->> Anybody know anything about the vertical antennas
> ->
> ->> 72/73 de Dave KK5HA
> ->> =====
> ->> Verticals are a compromise? Not. If your friend wants a
> ->> vertical for under a hundred bucks I suggest that he mount 32 feet of 1
> ->> inch tubing or copper pipe. Put a few radials on the thing and go fourth

> ->> to make noise.
> ->
> ->> I intend on building a top-loaded vertical for 20m that
> ->> can be knocked down into 4 foot sections for transport. This antenna will
> ->> be dedicated to my brand new NW8020 rig which I have rcvd but not had the
> ->> time to put together yet. Cost of antenna and radio, maybe \$100.
> ->>
>
>
> Verticals are *NOT* a compromise IF YOU DO IT RIGHT.. That is, for
> a ground-mounted vertical, you must, repeat *must* provide it with a
> decent ground system.
>
> By "decent" ground system I am talking about a minimum of somewhere around
> 50 (fifty) 1/4 wave radials. 100 is even better. Anything less *is* a
> compromise.
>
> It may be hard work but DO IT! And you will be AMAZED what a difference
> it makes. Otherwise most of your transmit power will be just heating up
> the dirt in your backyard.
>
> Sure you can get a way with less of a ground, but expect less of a signal.
> It's that simple. Then again, less may be enough.
>
> Anyone who has ground-mounted vertical (trap or whatever) with only a
> ground rod and/or a couple radials.. and thinks it works pretty good.. well,
> stretch out 100 radials and then see how it works. The difference will
> be like night and day! (unless you happen to live in a salt water marsh.)
>
> Some 15+ years ago I had a pair of full size, ground-mounted, 1/4 wave
> verticals for 40 meters, with 100 34' radials under each one. Even as a
> single vertical, that antenna really worked. Two of them phased was
> simply awesome!! By the time I was done, I must have had over 1 1/4 miles
> of wire buried under my parent's backyard. It's all still there :-)) I hate
> to think of when they sell the house and the new owners want to plant
> a tree or something .. and start digging :-)) I used #20 ga nylon
> covered "hookup" wire. I found place selling 2000' spools for \$10 each.
> I bought all he had. The trick for radials is.. use as much of..
> whatever you can get the most of.. the cheapest.
>
> Unfortunately, I don't quite have enough room for such an antenna where I
> am now.. but I do plan to begin experimenting with some above-ground
> verticals this spring/summer. Hopefully I will have all the bugs out by
> next fall.
>
>
> Also, it's all in the radials, not the element. Don't use copper.
> Too heavy. Too expensive. A nice-self supporting 40 meter vertical

> can be made from aluminum tubing.
>
> ---
>
> Pete Rossi - WA3NNA
> rossi@vfl.paramax.com
>
>